

SHAROVA, A.M., inzh.

Introducing welding in a carbon dioxide atmosphere at the
Gomel' Agricultural Machinery Plant. Trakt. i sel'khozmash.
no.12:37-38 D '65. (MIRA 18:12)

SHAROVA, A.S.

29141 Khimicheskiy sostav mnogoletnikh trav i vozdeystvie ikh na pochvu v travopol'noy sisteme zemledeliya. Izvestiya Akad. nauk. Latv. SSR, 1949, No. 8 S. 67-87-Bibliogr: 17 Nazv.

SO: Letopsi[^] Zhurnal'nykh Statey, Vol. 39, Moscow, 1949

Changes in the properties of podzolic soils observed when they are cultivated. A. S. Shatova. *Vodnye i gleyovye soi* (A. S. S. R.) 1940, No. 1, 49-52 (in English, 52-53). The morphol., chem., and phys. properties of strongly podzolized soils change under the influence of man's activity. The thickness of the humus horizon increases and that of the podzolic one decreases. The d. of the illuvial horizon of soils plowed with an application of small amounts of org. manure a decrease of the humus content in the humus horizon is observed for a few years. Then after an application of large amounts of manure and a sowing of perennial grasses the humus content increases and surpasses that of the humus horizon of forest soils. A narrow C:N ratio (8.5:1 to 9.0:1) is generally observed in sections of different degrees of cultivation; it is somewhat larger in soils of better-cultivated sections. With increase of cultivation the content of mobile forms of org. substances (α - and β -humates of Peive) diminishes chiefly at the expense of the most mobile part of humus (α -humates). With increase of the degree of cultivation one observes in podzolic soils a decrease of exchange acidity, of the pH value of salt extracts, of hydrolytic acidity, of mobile Al and Fe content; at the same time the amt. of absorbed bases and the degree of saturation of soils are increased. The content of available P₂O₅ and of mobile K does not change in any marked way under conditions of the usual agricultural utilization of soils. In a plot of medium degree of cultivation the relation between the capillary porosity and the noncapillary one is more favorable than in the soil under forest. In soils being cultivated the rate of nitrification and the no. of

3 AND PROPERTIES INDEX

mycotoxic and cellulose-destroying bacteria increase markedly as compared with virgin soils (forest, meadow). Strongly podzolized soils, on cultivation, approach in respect of their properties the soils of a lesser degree of podzolization. For reaching more rapidly a higher degree of cultivation of virgin podzolic soils and of podzolic soils of a low degree of culture it is necessary: (1) to reduce by means of liming and of applying phosphite, their acidity and the surplus of mobile Al, which have an adverse effect on plant development; (2) to increase systematically the depth of plowing, fully utilizing the humus horizon and drawing the podzolic horizon into the arable layer, applying at the same time, besides fertilizers, increased doses of org. manure. E. S. Shapiro

E. S. Shapiro

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001548620017-7"

SHAROVA, A. S.

"Question Concerning the Change of Properties of Sod-Podzolic Soils During Their Cultivation." Sub 28 Nov 51, Soil Inst, Acad Sci USSR.

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55

1. SHAROVA A.S.

2. USSR (600)

4. Soils

7. Change in the properties of turf-podzolic soils on cultivation, Latv. PRS
Zin.Akad.Vestis no.7, 1951/

9. Monthly List of Russian Accessions, Library of Congress, April 1953, unclass.

SHAROVA, A.

Materials for clarification of genesis of soils in Latvia.
A. Sarova. Latvijas PSR Zinātņu Akad. Veids 1953, No.
6(Whole No. 71), 57-64(in Russian; Latvian summary,
64-6).—Catalase activity, α - and β -humate, apocrenic acid
contents, and other chem. characteristics of a no. of Latvian
soils are tabulated and discussed. A. Dravnieks

SHAROVA, A.

The use of transparent nitrocellulose strips in agrochemical analyses of soils. J. Peive, A. Sarova, and G. Rinkis (Inst. Soil Sci. and Agr., Acad. Sci. Latv. S.S.R., Riga). *Pochovedenie* 1955, No. 10, 66-79.—In place of colorimeters, photometers, colored paper strips, or test tubes with colored liquids, the authors have used transparent strips of x-ray film plates from which the emulsion was removed and various colored India ink applied. In this manner the matching of colors was obtained in detg. P, acidity, org. fractions, Zn, Cu, and other elements which lend themselves to colorimetric analysis. Detailed descriptions of the method of prep. the 2 by 5.5-cm. strips and data obtained are given and discussed. J. S. Joffe

USSR / Soil Science. Physical and Chemical Properties J
of Soils.

Abs Jour: Ref Zhur-Biol., No 21, 1958, 95715.

Author : Sharova, A. S.

Inst : Not given.

Title : Content of Microelements - Copper, Zinc, Cobalt
and Manganese - in Some Soils of the Latvian SSR.

Orig Pub: Pochvovedeniye, 1957, No 3, 19-31.

Abstract: In the humus horizons of the Latvian SSR, a de-
termination was made, in the most widespread turf-
podzolic (I), turf-carbonate (II), turf-gley (III)
and marsh (IV) soils, of the total content of
humus, the total content of organic substances,
total quantity of organic substances extracted by
a solution of 0.1 n. NaOH, of humic acids extract-
ed by a solution of 0.1 n. NaOH, of fulva acids

Card 1/4

USSR / Soil Science. Physical and Chemical Properties J
of Soils.

Abs Jour: Ref Zhur-Biol., No 21, 1958, 95715.

Abstract: extracted by 0.5 n. H_2SO_4 , as well as the content of Cu, Zn, Co and Mn which are dissolved in 1.0 n. HCl, 0.5 n. H_2SO_4 and 0.1 n. NaOH. The total content of Cu in I comprised 6.2-15.0, in II - 13.2-21.3, in III - 15.0-28.8, in IV - 15.0-19.0 mg/kg; the content of Cu extracted by 1.0 n. HCl, in I-IV comprised respectively 1.8-3.9; 5.5; 2.75 and 4.4-5.8 mg/kg, Cu extracted 0.5 n. H_2SO_4 2.0-3.9; 2.1-5.1; 2.6-5.2 and 5.3-11.2 mg; Cu, extracted by 0.1 n. NaOH, 0.0-10.3; 1.3-13.5; 0.5-13.8 and 4.0-19.6 mg/kg of soil. The total content of Zn in I-IV comprised 25-30, 34-50, 33-50 and 32-56 mg/kg, and the content of Zn extracted by 1.0 n.

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USSR / Soil Science. Physical and Chemical Properties J
of Soils.

Abs Jour: Ref Zhur-Biol., No 21, 1958, 95715.

Abstract: HCl, 0.5 n. H_2SO_4 and 0.1 n. NaOH, was usually 4-8 times lower. The total content of Mn in I-IV comprised 0.17-0.22; 0.19-0.55; 0.55 and 0.23%, the content of Mn extracted by 0.5 n. H_2SO_4 was respectively 44-164, 79-547, .481 and 87 mg/kg, Mn extracted by 0.1 n. NaOH. 0.0-15, 0.0-7;0, 0.0 and 17.5 mg/kg of soil. The content of Co, dissolved in 0.5 n. H_2SO_4 , in I-IV comprised 1.0-1.8 mg/kg. Co dissolved in 0.1 n. NaOH, 0.1-0.4 mg/kg of soil. The content of total C in I-III changed from 0.8 to 7%, and in IV equaled 36-55%. The total content of organic substances dissolved in 0.1 n. NaOH, in I-III

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USSR / Soil Science. Physical and Chemical Properties J
of Soils.

Abs Jour: Ref Zhur-Biol., No 21, 1958, 95715.

Abstract: comprised 0.3-2.6% and in IV was somewhat higher; the quantity of organic substances dissolved in 0.5 n. H_2SO_4 , in I-IV changed from 0.04 to 0.5%.

Results are cited of a determination in the soils of Cu dissolved in 1.0 n. HCl by Malyuga's method with diethyldithiocarbamate, according to Peyva with 8-mercaptoquinomine and the dithizone method, as well as results cited of tests with Bergman method and the dithizone method of determining Zn in soils. -- B. P. Pleshkov.

Card 4/4

TAYCHINOV, S.N., prof.; VANYUKOV, Ya.I.; GALIMOV, G.F.; KURCHEYEV, P.A.; CHMZLEV, M.P.; GARIFULLIN, F.Sh.; BURANGULOVA, M.N.; MOSEYEEVA, Z.V.; SHAROVA, A.S.; CHMZLEV, M.P.; MAZILKIN, I.A.; GIZZATULLIN, S.G.; DOBROV, A.V.; KUZNETSOV, F.V.; FILATOV, L.P., red.; KOBYAKOV, I.A., tekhn.red.

[Soils of the Mazhita Gafuri Collective Farm and their efficient utilization] Pochvy kolkhoza imeni Mazhita Gafuri i puti ikh ratsional'nogo ispol'zovaniia. Pod red. S.N.Taichinova. Ufa, 1960. 124 p. (MIRA 14:1)

1. Akademiya nauk SSSR. Bashkirskiy filial, Ufa: Institut biologii.
(Bashkiria--Soils)

SHAROVA, A.S.; SKLYAROV, G.A.; AKSENOVA, B.F.

Group and fractional composition of humus in grey forest soils
of the Sim agricultural zone of Bashkiria. Mat. po izuch. pochv
Bash. ASSR no.1:50-61 '60. (MIRA 14:3)
(Sim Valley--Forest soils)(Sim Valley--Humus)

SKLYAROV, G.A., starshiy nauchnyy sotrudnik; SHAROVA, A.S., starshiy nauchnyy sotrudnik

Brief agrochemical description of grey forest soils fo the Sim agricultural region of Bashkiria. Mat. po izuch. pochv Bash. ASSR no.1:170-187 '60. (MIRA 14:3)
(Sim Valley—Forest soils)

SHAROVA, A.S.; SKLYAROV, G.A.; AKSENOVA, B.F.; RADTSEVA, G. Ye.

Available zinc content of certain soils of the Sim agricultural zone of Bashkiria. Mat. po izuch. pochv Bash. ASSR no.1:94-99 '60. (MIRA 14:3)

(Sim Valley--Soils--Zinc content)

21746

15-8080S/191/61/000/007/004/010
B101/B215 XAUTHORS: Antropova, N. I., Vlasova, K. N., Pavlova, G. I.,
Samokhvalov, A. V., Sharova, A. V.

TITLE: High-molecular polycaproamide

PERIODICAL: Plasticheskiye massy, no. 7, 1961, 17-19

TEXT: At present, polycaproamide is synthesized in industry by hydrolytic polymerization. The process takes 16-18 hr at 250°C. The polymer has an intrinsic viscosity of 0.6-0.8 and contains 10-12 % of substances soluble in water. The polymerization of caprolactam in the presence of alkaline catalysts was studied on the basis of western publications. The authors aimed at stabilizing the viscosity of the polymer. 1) Polymerization in the presence of metallic sodium or KOH (US Patent 2251519 (1941)). In the presence of these catalysts, commercial caprolactam polymerizes at 220°C. The reaction is exothermic and takes no more than 10-15 min. A 0.5 % solution of the obtained polymers in tricresol had an intrinsic viscosity of 1.8-3.0. The impact strength varied between 80 and

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High-molecular polycaproamide

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S/191/61/000/007/004/010
B101/B215

133 kg·cm/cm², and the Brinell hardness between 7.8 and 13.5. After casting under pressure, the impact strength was reduced. The polymers were thermally unstable, and their intrinsic viscosity during heating was reduced to 250-260°C. Stabilization according to the patent was not successful. The granulated polymers were therefore treated with dilute mineral acid (dilute acetic acid showed no stabilizing effect) and washed. After heating up to 250-260°C subsequent polycondensation and formation of a network occurred. To eliminate the action of the residual mineral acid, the granules were treated with dilute NH₃. After that, the intrinsic viscosity of the polycaproamide heated up to 250-260°C remained stable for 4-6 hr (0.81). This polymer was suited for extruding and other processes. Now, the impact strength was 125-155 and the Brinell hardness 12.7-15.2. A unit for continuous production of 4 kg of polycaproamide per hr was designed. 2) On the basis of papers by O. Wichterle, Sebenda et al. (Makromol. Chem. 35, 174, (1960) Czechoslovakian Patent 93016 (1957)), acetyl caprolactam (ACL) was used as a co-catalyst besides Na or KOH. The physico-mechanical properties of the polymers depended upon the ratio of the catalyst components. With KOH/ACL = 2:1 the intrinsic viscosity was 2.07-3.1, the impact strength 150-160, and the Brinell hardness 24.0-26.0.

Card 2/4

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S/191/61/00G/007/004/019.
B101/B215 X

High-molecular polycaproamide

For KOH/ACL = 1:1 the corresponding values are 1.3-2.05, 100-125, 15-17, respectively; for KOH/ACL = 2:3: 0.9-1.1, 86-96, 9-10. For Na/ACL = 2:1: intrinsic viscosity 2.11-3.36; impact strength 110-160; Brinell hardness 24-26.6; and for Na/ACL = 1:1: 2.19-2.23, 125-135, 11.0-17.0. Polymerization was conducted in molds of aluminum, galvanized iron, stainless steel, or aluminum foil. Stainless steel proved to be most suitable. Cogwheels very resistant to abrasion were made from polymers by mechanical processing. In the presence of reinforcing material such as metal plates (Al, Fe, Cu, and steel), graphite, molybdenum sulfide, ceramics, microlite, fluoroplast-4, 45-50 % glass fiber or glass fabric, the course of polymerization was normal and the metal inserts in the ready-made block were well fixed due to considerable shrinkage (5%). On the basis of a paper by S. Chrzonowicz (Makromol. Chem., 38, 159 (1960), Polish Patent 41536 (1958)) the polymerization of caprolactam was examined in the presence of Na and CO₂. Also in this case, the polymerization took place below the melting point of the polymer. Time of reaction: 35-60 min; yield of the polymer: 85-90%; viscosity: 2.0-4.5; melting point: 215-225°C; impact strength: 140-165; Brinell hardness: 15.5-22.5. The polymer differed largely from that obtained by ACL addition. There are 3 tables

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24746

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B101/B215

High-molecular polycaproamide

and 5 references; 3 Soviet-bloc and 2 non-Soviet-bloc.

Card 4/4

L 61462-65 EWT(m)/EPF(c)/EYG(v)/EPR/EWP(j)/T PC-4/Pe-5/Pr-6/Ps-4
ACCESSION NR: AP5012433 UB/0374/65/000/002/0118/0122
678:620.169

45
B

AUTHORS: Stinskas, A. V. (Moscow); Antropova, N. I. (Moscow); Korobov, V. I.
(Moscow); Ratner, S. B. (Moscow); Samokhvalov, A. V. (Moscow); Sharova, A. V.
(Moscow)

TITLE: On fatigue properties of capron and caprolon

SOURCE: Mekhanika polimerov, no. 2, 1965, 118-122

TOPIC TAGS: capron, fatigue strength, caprolon, polymer, plastic

ABSTRACT: The purpose of the investigation was to test the fatigue properties of two important thermoplastics which find wide application in the machine industry, i.e., capron and caprolon. Two varieties of caprolon were investigated: (A)- polymerized in presence of sodiumcaprolactam and acetic anhydride; (B)- polymerized in the presence of sodiumcaprolactam and carbon dioxide. Both varieties were compared with capron "B". The fatigue properties were determined at console buckling frequency of 1000 cycles/min at 20°C and at the temperature of self-heating. It was found that both caprolons had identical fatigue properties, and on the basis of 10^6 cycles both caprolons had a 70%, i.e., 300 kg/cm^2 greater fatigue

Card 1/2

L 61462-65
ACCESSION NR: AP5012433

strength than capron "B". The results of self-heating experiments are in complete agreement with those of S. B. Ranter and V. I. Korobov (Mekh. pol., 1965 (v. pechatil)). The critical self-heating temperature for caprolon at 290 kg/cm² load and for capron at 165 kg/cm² load was found to be ΔT_c 15°C. The specimens undergo rapid destruction after reaching the critical temperature. The critical temperature was found to have a definite value and was independent of the load, the frequency, and heat removal. It is concluded that heat removal leads to an increase in the fatigue strength of both plastics. The fatigue strength of a caprolon specimen cooled by an air stream exhibited a 22% increase in fatigue strength. Orig. art. has: 2 tables and 3 graphs.

ASSOCIATION: none

SUMMITTED: 12Oct64

ENCL: 00

SUB CODE: ATT

NO REF Sov: 007

ORIGIN: 000

Card 2/2

SHAROVA, A.V.

S/191/63/000/001/C04/017
B101/B106

AUTHORS: Vlasova, K. N., Antropova, N. I., Akutin, M. S.,
Samokhvalov, A. V., Sharova, A. V.

TITLE: Caprolon

PERIODICAL: Plastichekiye massy, no. 1, 1963, 18-19

TEXT: Large machine parts ranging up to 600 mm diameter and 50 kg weight were experimentally produced at NIIPI by polymerizing caprolactam. Sodium metal, K_2O , or Na_2O were used as initiators, and acetyl caprolactam, benzoyl chloride, CO_2 , etc., as activators. These plastics, caprolon G(B) and caprolon C(S), have the following properties: density 1.15-1.16 g/cm³; impact strength 110-160 kg·cm/cm²; bending strength 1250-1500 kg/cm²; elastic modulus in tension 20,000-23,000 kg/cm²; Brinell hardness 20-26 kg/mm²; water absorption in 24 hrs 1.5-2.0%; intrinsic viscosity 2.0-2.5; content of water-soluble substances 5-8%; shrinkage in polymerization 4-5%. Caprolon gears bearing, bushings for machine tools, and engine gear units have been tested, some of them for 10-18 months. Attempts are

Card 1/2

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001548620017-7

Caprolon

S/191/63/000/C01/C04/017
B101/B186

being made to produce specimens of 2 m diameter and to produce caprolon by a continuous process. There is 1 figure.

Card 2/2

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001548620017-7"

ANTROPOVA, N.I.; VLASOVA, K.N.; PAVLOVA, G.I.; SAMOKHVALOV, A.V.; SHAROVA,
A.V.; PARLASHKEVICH, N.Ya.

Study of the anion polymerization of epsilon-caprolactam by the
changes in the melt resistance. Plast. massy no.1:12-14 '65.
(MIRA 18:4)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001548620017-7

SHAROVA, D.

"Shielding and Mounting," RADIO, No. 12, 1949.

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001548620017-7"

PA 236T42

USSR/Electronics - Exhibitions
Ultrashort-Wave Equipment

Sep 52

"Ultrashort-Wave Equipment at the 10th All-Union
Radio Exhibition," D. Sharova.

"Radio" No 9, pp 28-32

Descriptions of club ultrashort-wave (USW) transmitters, a battery-powered USW adapter for the Rodina receiver, a transceiver for communication between automobiles, small craft, etc., portable transmitters, and superregenerative USW receivers. First prize

236T42

SHAROVA, D.

was awarded to A. Teplyakov and A. Krapivin (Tallin Radio Club) for an FM USW transmitter designed to transmit the sound accompaniment for the Tallin Educational Television Center.

236T42

SHAROVA, E. K., Cand of Bio Sci -- (diss) "Strawberry Bacteria Esparsette and Certain Peculiarities of their Biology," Leningrad, 1959, 16 pp (Leningrad State Univ im Zhdanov) (KL, 5-60, 125)

SHAROVA, E.K.

Influence of nitrogen fertilizers and straw on the effectiveness
of treating sainfoin seeds with nitragin. Trudy Vses. inst.
sel'khoz. mikrobiol. no.14:242-251 '58. (MIRA 15:4)
(Micro-organisms, Nitrogen-fixing)
(Nitrogen fertilizers) (Straw)

GRANDBERG, I.I.; VINOKUROV, V.G.; PROITSKAYA, V.S.; SHAROVA, G.I.

Pyrazoles. Part 30: Synthesis and ultraviolet spectra of
4-acetyl- and 4-benzoyl-3,5-dimethylpyrazoles. Zhur. ob. khim.
32 no.11:3582-3586 N '62. (MIRA 15:11)

1. Moskovski^y gosudarstvenny universitet i Institut
farmakologii i khimioterapii AMN SSSR.
(Pyrazole—Spectra)

BYSTROV, V.F.; GRANDBERG, I.I.; SHAROVA, G.I.

Study of hydrogen bonding by the nuclear magnetic resonance
method. Part 4. Opt. i spektr 17 no.1:63-66 Cl '64.

(MIRA 17:9)

SHAROVA, G.V.

Steaming bagle dough. Khleb., i kond. prom. l no. 5:36-38 My '57.
(Dough) (MLRA 10:6)
(Bakers and bakeries--Equipment and supplies)

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 5, p 68 (USSR) SOV/124-57-5-5584

AUTHOR: Sharova, I. F.

TITLE: Investigation of Particular Solutions of the Problem of Waves on the Surface of a Viscous Fluid (Issledovaniye chastnykh resheniy zadachi o volnakh na poverkhnosti vyazkoy zhidkosti)

PERIODICAL: Tr. Mor. gidrofiz. in-ta AN SSSR, 1956, Vol 8, pp 33-43

ABSTRACT: A study is made of the linear problem of waves on a stress-free surface of a ponderable viscous fluid of infinite depth. It is assumed that the normal of the wave surface deviates only insignificantly from the vertical and is consequently replaced by it. By dropping the non-linear terms of the Navier-Stokes equation and representing it and the equation of continuity in terms of cylindrical coordinates the author seeks a particular solution in the form of

$$v_r = e^{-\alpha t + is\phi} (A_1 e^{kz} + A_2 e^{mz}) [J_{s-1}(kr) - J_{s+1}(kr)]$$

Card 1/2 $v_\phi = e^{-\alpha t + is\phi} (D_1 e^{kz} + D_2 e^{mz}) \frac{s}{r} J_s(kr)$

SOV/124-57-5-5584

Investigation of Particular Solutions of the Problem of Waves (cont.)

$$v_z = e^{-\alpha t + is\phi} (B_1 e^{kz} + B_2 e^{mz}) J_s(\alpha r)$$

$$\rho = e^{-\alpha t + is\phi} (C_1 e^{kz} + C_2 e^{mz}) J_s(\alpha r) - \rho g z$$

where the values of s and α are given and the other constants are determined from the equations and the boundary conditions, with s being an integer and k and $m > 0$. The conditions on the free surface, as usual, are reduced to the still-water level. After determining the constants the author analyzes the relationships between the length of a stationary wave and its frequency. The free surface is expressed by the equation

$$\eta = a e^{-\alpha t} J_s(\alpha r) e^{is\phi}$$

In the same way the author seeks a particular solution to equations written in Cartesian coordinates and finds then the free-surface equation

$$\eta = a e^{-\alpha t + imx} \cos ny$$

For the particular cases analyzed the relationship between the length of the wave and its frequency in cylindrical and Cartesian coordinates has the same form as that of a plane case in Cartesian coordinates.

A. K. Nikitin

Card 2/2

SHAROVA, I. Kh.

GILYAROV, M.S.; SHAROVA, I.Kh.

Larvae of tiger beetles (Cicindelidae). Zool. zhur. 33 no.3:598-
615 My-Je '54.
(MLRA 7:7)

1. Kafedra zoologii Moskovskogo gosudarstvennogo pedagogicheskogo
instituta im. V.I.Lenina i Institut morfologii zhivotnykh im.
A.N.Severtsova.

(Tiger beetles) (Larvae)

SHAROVA, I. K.

Calosoma larvae (Calosoma, Carabidae) [with summary in English].
Zool. zhur. 36 no.6:878-884 Je '57. (MIRA 10:8)

1. Kafedra zoologii Moskovskogo gosudarstvennogo pedagogicheskogo
instituta im. V.I. Lenina i laboratoriya pochvennoy zoologii
Instituta morfologii shivotnykh im. A.N. Severtsova AN SSSR.
(Ground beetles) (Larvae)
(Insects, Injurious and beneficial--Biological control)

SHAROVA, I. Kh. Cand Biol Sci -- (diss) "Larvae of ground beetles
(Carabidae) useful and harmful in agriculture and forestry." Mos, 1958
10 pp (Min of Education RSFSR. Mos State Ped Inst im V. I. Lenin), 150
copies (KL, 52-58, 101)

-41-

USSR / General and Specialized Zoology - Insects.

P

Abs Jour : Ref Zhur - Biologiya, No 5, 1959, No. 20782

Author : Sharova, I. Kh.

Inst : Moscow State Pedagogical Institute

Title : Larvae of the Carabidae, Beneficial and
Harmful to Agriculture

Orig Pub : Uch. zap. Mosk. gos. ped. in-ta, 1958, 124,
4-165

Abstract : Morphological characteristics and tables for
determination of 75 genera of 136 species of
larvae of Carabidae found in the USSR (des-
cription of 4 genera, characteristics of
32 species and tables of identification
published for the first time). 142 drawings,
bibliography of 94 names.

Card 1/1

SHAROVA, Inessa Kh. (Moscow)

"Morpho-ecological Types of Carabid Larvae."

report presented at the International Congress of Entomology, Vienna, Austria,
17-25 August 1960.

SHAROVA, I. Kh.

Morphoecological types of carabid larvae (Carabidae). Zool. zhur.
39 no.5:691-708 My '60. (MIRA 13:10)

1. Chair of Zoology, Moscow State V.I.Lenin Pedagogical Institute.
(Ground beetles) (Larvae--Insects)

GUSEVA, V.S.; SHAROVA, I.Kh.

Species and distribution of ground beetles in various types of
forests in the vicinity of Moscow. Vop. ekol. 7:48-49 '62.

(MIRA 16:5)

1. Gosudarstvennyy pedagogicheskiy institut imeni V.I.Lenina.
(Moscow region—Ground beetles)

GILYAROV, M.S.; SHAROVA, I.M.

Soil fauna in the fir forests of the Pavlovskaya Sloboda
region as an indicator of soil and forest conditions. Uch.
zap. MGPI no. 227:383-397 '64.
(MIRA 18411)

SHAROVA, L.A.

Lymphogramulomatosis of the gastrointestinal tract. Trudy
LSGMI 53:152-158 '59. (MIRA 13:10)

1. Kafedra rentgenologii s meditsinskoy radiologiyey Leningrad-
skogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav.
kafedroy - prof. B.M. Shtern).
(DIGESTIVE ORGANS—RADIOGRAPHY) (HODGKIN'S DISEASE)

POTEMKIN, S.V., glav. red.; MATSUYEV, L.P., zam. glav. red.;
BEREZIN, V.P., red.; VESELOV, V.V., red.; GOIANDSKIY,
D.B., red.; GOL'DTMAN, V.G., red.; IGNATENKO, M.A., red.;
SHASHURA, M.V., red.; RIVKIN, G.M., red.; FIRSOV, L.V.,
red.; SHAKHNAROVICH, L.A., red.; SHEPELEV, I.T., red.;
SHAROVA, L.A., red.

[Reports for 1961] Sbornik referatov za 1961 god. Magadan,
1962. 135 p. (Its: Trudy VNII-1) (MIRA 16:7)

1. Magadan. Vsesoyuznyy nauchno-issledovatel'skiy institut
zolota i redkikh metallov.
(Frozen ground) (Mining engineering) (Metallurgy)
(Building materials)

SHAROVA, L.A. (Leningrad, 101, Kirovskiy prospekt, d.26-28, kv. 6)

Late results of diagnostic gastrotomy in X-ray pictures.
Vest. Khir. 91 no.10:70-73 O '63. (MIRA 17:7)

1. Iz kliniki khirurgicheskikh zabolеваний (zav. - prof. P.N. Napalkov) i kafedry rentgenologii (zav. - prof. B.M. Shtern) Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (rektor - prof. A.Ya. Ivanov).

SHAROVA, I.I.

Choices of an optimum method for increasing the carrying capacity
of municipal 220-127 volt power distribution networks. Trudy
LIEI no.41st41-149 '62. (MIRA 17:6)

1. Leningradskiy inzhenerno-ekonomicheskiy institut.

AZENBERG, B.L.; BERKMAN, Ye.I.; DMITRIYEV, V.M.; KLEBANOV, L.D.; SHAROVA, L.I.

Unit norms of electric power spent on communal and everyday requirements of the population and unit loads in the future according to districts in the U.S.S.R. Trudy LIEI no.51:9-52 '64. (MIRA 18:11)

SHAROVA, L. I.

Conference on the choice of energy carriers for communal
and everyday needs of the population. Trudy LIEI no.51:89-
93 '64. (MIRA 18:11)

L 22430-66

ACC NR: AF6013616

SOURCE CODE: UR/0105/65/000/011/0071/0075

AUTHOR: Ayzenberg, B. L. (Doctor of technical sciences); Dmitriyev, V. M. (Candidate of technical sciences); Klebanov, L. D. (Candidate of technical sciences); Sharova, L. I. (Engineer); Berkman, Ye. I. (Candidate of economical sciences) 23
B

ORG: [Ayzenberg, Dmitriyev, Klebanov, Sharova] LIEI im. P. Tol'yatta; [Berkman] Lengiproinzhproekt

TITLE: Engineering-economic reasons for the choice of the type of energy for household consumption in the cities of the USSR

SOURCE: Elektrichestvo, no. 11, 1965, 71-75

TOPIC TAGS: electric power production, economics, electric industry

ABSTRACT: The department of electric energy of LIEI (Leningrad Engineering-Economic Institute) carried out over a number of years investigations of the specific needs of household and communal consumers of electricity. These studies resulted in the establishment of standards of consumption of electric energy for the various regions and various types of consumers (Udel'nyye elektropotrebleniya na zhilishchno-bytovyye i kommunal'nyye nuzhdy nagruzki na perspektivnyy period po rayonam SSSR [Specific norms of needs for electricity of household and communal consumers and specific loads for the projected period according to the rayons of the USSR], Trudy LIEI-LENTOEP (Reports of the

Card 1/2

UDC: 338.40:621.3

L 22430-66

ACC NR: AP6013616

O

LIEI-LENTOEP), No 51, 1964). In particular, their calculated average for the entire Soviet Union is 1740 kWh per year per person. There is, however, no uniform view on this problem and the conference for electrification of households held in 1961 recommended the adoption of 2,000 kWh per year per person as the number to be used in the planning of future needs. The authors of this article take issue with this and other such figures which they consider exaggerated, and after an extensive discussion centering mostly on the gas versus electricity controversy show that 1) the engineering-economical calculations indicate that in all regions which can procure natural gas the use of gas for cooking is undoubtedly less expensive; 2) flow type water heaters cannot compete with any type of gas water heating (natural or artificially produced gas); 3) rayons in the Soviet Union which do not need air-conditioning cannot hope to satisfy economically their needs for heat by means of electricity (except for rayons which have an ample supply of inexpensive hydroelectric power, and where fuel is expensive on account of transportation difficulties). Orig. art. has: 2 tables. [JPRS].

SUB CODE: 09, 05 / SUBM DATE: 11Jan65 / ORIG REF: 015

Card 2/2 BLG

SHAROVA, L. P.

GROSHIKOV, M.I., dots.; SHAROVA, L.P.

Keratodermia and looseness of teeth. Stomatologija 36 no.6:71-72
M-D '57. (MIRA 11:2)

1. Iz kafedry terapevticheskoy stomatologii (zav. - prof. Ye.Ye.
Platonov) Moskovskogo meditsinskogo stomatologicheskogo instituta
(dir. - dotsent G.N.Belatskiy)
(KERATOSIS) (GUMS--DISEASES)

SHAROVA, L.S.

Effect of some B group vitamins (B_{12} and choline) on the
cholesterol esterifying function of the liver in liver cirrhosis.
Trudy LSGMI no.69:153-159 '61. (MIRA 15:11)

1. Kafedra propedevtiki vnutrennikh zabolеваний Leningradskogo
sanitarno-gigiyenicheskogo meditsinskogo instituta (av. kafedroy -
chlen-korrespondent AMN SSSR prof. S.M.Ryss).
(LIVER—CIRRHOSIS) (CHOLINE) (CYANOCOBALAMINE)
(CHOLESTEROL)

SHAROVA, M. A.

"A Hygienic Appraisal of the Southern and Western Orientation of Classrooms in the City of Moscow." Cand Med Sci, First Moscow Order of Lenin Medical Inst, 13 Dec 54. (VM, 23 Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No. 521, 2 Jun 55

SHAROVA, M.A., kandidat meditsinskikh nauk

Hygienic evaluation of western and southern exposures of classrooms
in Moscow schools. Gig. i san. 21 no.5:32-38 My '56. (MIRA 9:8)

1. Iz Nauchno-issledovatel'skogo sanitarnogo instituta imeni
Erismana.

(SCHOOLS,
southern & western exposures of classrooms (Rus))

SHAROVA, M.A.

BELOSTOTSKAYA, Ye.M.; SHAROVA, M.A.; TELESHOV, V.A.

Evaluating the health factor in agricultural work by students.
(MIRA 10:7)
Politekh. obuch. no.7:58-64 Jl '57.

1. Moskovskiy nauchno-issledovatel'skiy institut sanitarii i gigiyeny
imeni F.F. Erismana.
(School hygiene) (Agriculture--Study and teaching)

SHAROVA, M. A.

BELOSTOTSAYA, Ye.M., kand.med.nauk; SHAROVA, M.A., kand.med.nauk;
GEL'TISHCHEVA, Ye.A., nauchnyy sotrudnik.

Hygienic evaluation of practical studies at a rural school
experimental plot. Gig. i san.22 no.7:28-32 J1 '57. (MIRA 10:10)

1. Iz Moskovskogo nauchno-issledovatel'skogo instituta sanitarii
i gigiyeny imeni Brismana Ministerstva zdravookhraneniya RSFSR.
(EDUCATION,
hyg. aspects of practical courses at rural school (Rus))

SHARCOV, M. A., BOGINA, E. V., TELESNOV, V. N., DIF'USOV, A. Z., BULGOTERMANA,
YE. M.

"Hygienic characteristics of polytechnical teaching in a rural
school."

report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists
and Infectionists, 1959.

SHAROVA, M.A.; SKLYAROV, V.Ya.

Hygienic evaluation of agricultural work for school children
in the children's brigades of Stavropol' Province. Uch. zap.
Mosk. nauch.-issl. inst. san. i gig. no.2:12-14*59

(MIRA 16:11)

1. Moskovskiy nauchno-issledovatel'skiy institut sanitarii i
gigiyeny imeni F.F. Erismana i Stavropol'skaya krayevaya
sanitarno-epidemiologicheskaya stantsiya.

SHAROVA, M.A.

Hygienic basis of the level of natural lighting of classrooms.
Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no.2:58-61'59.

(MIRA 16:11)

I. Moskovskiy nauchno-issledovatel'skiy institut sanitarii i
gigiyeny imeni F.F. Erismana.

*

~~SHAROVA, M. A.~~, kand. med. nauk; TIMOKHINA, Ye. A., kand. med. nauk; KAYSINA, O. V.,
kand. med. nauk; YASTREBOV, G.G. mladshiy nauchnyy sotrudnik

Hygienic evaluation of the duration of agricultural work for 5th-
7th grade students during the summer vacation. Gig. i san. 24 no.5:
40-45 My '59. (MIRE 12:7)

1. Iz Moskovskogo nauchno-issledovatel'skogo instituta sanitarii i
gigiyeny imeni F. F. Erishmana Ministerstva zdravookhraneniya RSFSR.

(AGRICULTURE,

duration of summer employment of school child. (Rus))
(SCHOOLS,

hyg. aspects & duration of agricultural employment
of school child. (Rus))

BOL'SHAKOVA, M.D., dotsent; SHAROVA, M.A., kand.med.nauk

Fourth republic conference on hygienic problem of children and
adolescents. Gig. i san. 26 no.10:86-88 O '61. (MIRA 15:5)

1. Iz I Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova
i Moskovskogo nauchno-issledovatel'skogo instituta gigiyeny imeni F.F.
Erismana Ministerstva zdravookhraneniya RSFSR.
(CHILDREN--CARE AND HYGIENE)

SHITSKOVA, A.P., kand.med.nauk; Prinimali uchastiye: KALININA, K.A., kand. biolog.nauk; SINITSYN, S.N., kand. biolog. nauk; SHAROVA, M.A. mladshiy nauchnyy sotrudnik; VASIL'YEVA, O.I., mladshiy nauchnyy sotrudnik; YUN'KOVA, A.A., laborant.

Interrelation of vitamins A,D,C, and B₁₂ and their effect on calcium phosphorus, and nitrogen metabolism in growing animals. Gig. sanit. 28 no.2:41-49 '63 (MIRA 17:2)

1. Iz Moskovskogo nauchno-issledovatel'skogo instituta gigiyeny imeni F.F. Erismana.

SHAROVA, M.A.

[Hygiene of agricultural work of schoolchildren] Gigiena
sel'skokhoziaistvennogo truda shkol'nikov. Moskva, Me-
ditsina, 1964. 10 p. (MIRA 18:7)

GRIGOROV, O.N.; SHAROVA, N.G.

Electrokinetic properties of membranes obtained from saturated
fatty acids. Vest. LGU 17 no.4:143-147 '62. (MIRA 15:3)
(Membranes(Chemistry)-Electric properties)(Acids,Fatty)

GRIGOROV, G.N.; SHAROVA, N.G.

Electrokinetic properties of membranes obtained from calcium
and magnesium salts of saturated fatty acids. Vest. MGU 19
no.23:88-93 '64 (MIRA 18:1)

SHAPIRO, I.S., inzh.; SEREDKIN, L.N., tekhn.; ZANINA, N.K., inzh.; SHAROVA,
N.I., inzh.

Electrodes for the air-arc cutting of metals. Svar. proizv.
no.8:20-22 Ag '62. (MIRA 15:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut avtogennoy
obrabotki metallov (for Shapiro, Seredkin). 2. Filial
Vsesoyuznogo nauchno-issledovatel'skogo instituta elektromekhaniki
(for Zanina, Sharova).
(Electric metal cutting) (Electrodes)

BAZEL'YAN, L.I.; BRUK, Yu.M.; ZHUK, I.N.; MEN', A.V.; SODIN, L.G.;
SHARYKIN, N.K.

Broad-band radio interferometer with electric control of the
directivity pattern. Izv. vys. ucheb. zav. radiofiz. 7 no.2:
215-224 '64 (MIRA 18:1)

1. Institut radiofiziki i elektroniki AN UkrSSR.

(#) SHAROVA, N L

Two forms of rubber in the leaf of kok-saghyz. N. L. Sharova, N. V. Kovalovich, and P. Ya. Yakimov. Sovr. Biol., 15, 226-7(1947); Chem. Zentr. 1948, I, 114. --The rubber content of the milk-carrying vascular system dropped from 0.95% at the time of budding to 0.70% when the plant was in full bloom. The corresponding concns. in the parenchyma were 0.13 and 0.30%. During this same interval the av. diam. of the rubber droplets in the parenchyma increased from 3.3 to 5.4 μ . Since synthesis occurs in the leaf, the mol. wt. of the leaf latex is less than that of the root latex.

M. G. Moore

SHAROVA, N. L.

Koyalovich, N. B., Sharova, N. L. and Vakimov, P. A.

"The problem of caoutchouc in crop growing." In symposium:
Biokhimiya kul't. rasteniy, Vol. VIII, Moscow-Leningrad, 1949,
p. 543-605 - Bibliog: p. 600-05

SO: U-3264, 10 April 1953, (Letopis 'Zhurnal 'nykh Statey, No. 3, 1949)

SHAROVA, N. L.

Extra-radical nutrition of the gladiolus. N. L. Sharova.
Doklady Akad. Nauk S.S.R., 54, 153-6 (1964). Spraying
of the leaves of gladiolus plants, combined with the usual
nutrition via the roots, gave superior growth and flower
formation when the leaf spraying was done with aq. solns.
of NH_4NO_3 and superphosphate ext. Such plants showed
evidence of enhanced metabolism and generally higher
hydrolytic activity of the tissues. An increase of storage
of food material in the subterranean parts was also seen.

G. M. Kosolapoff

SHAROVA, N.L.

Nursery for propagating dahlias by seed. Biul. Glav. bot.
sada no.24:103-105 '56. (MLRA 9:11)

1. Botanicheskiy sad Moldavskogo filiala Akademii nauk SSSR.
(Moldavia--Dahlias)

SHAROVA, N.L.

Tritoma uvaria, a plant for flower beds. Biul. Glav. bot. sada
no. 38:96-98 '60. (MIRA 14:5)

1. Botanicheskiy sad Moldavskogo filiala Akademii nauk SSSR,
Kishinev.

(Tritoma)

SHAROVA, Nina Leonidovna; YUSIM, F.M., red.; POLONSKIY, S.A.,
tekhn. red.

[Perennial flowering plants of Moldavia] Mnogoletnie tsvetoch-
nye rasteniia Moldavii. Kishinev, Izd-vo "Shtiintsa," 1962.
97 p.

(MIRA 16:2)

(Moldavia—Flowers)

SHAROVA, P.

27793. SHAROVA, P. — Velikiy perelom v sel'skom khozyaystve. (Kollektivizatsiya sel'skogo khozyaystva v SSSR). voprosy istorii, 1949, No. 5, S. 3-25
V. I. LENIN—vdokhnovitel' sozdatiya elektropakhoty. — Sm. 27495

SO: Letopis' Zhurnal'nykh Statey, Vol. 37, 1949

SHAROV, P.N.

KUZ'MINA, L.F.; POLETAYEV, V.Ye.; TOMASHEVICH, Yu.U.; SHAROVA, P.N.,
otvetstvennyy redaktor; DANILOV, V.P., redaktor izdatel'stva;
SHEVCHENKO, G.H., tekhnicheskiy redaktor

[Collectivization of agriculture; the most important decrees of
the Communist Party and the Soviet government, 1927-1935. Kollekti-
vatsiya sel'skogo khoziaistva; vazhneishie postanovleniya Kommuni-
sticheskoi partii i Sovetskogo pravitel'stva, 1927-1935. Moskva,
1957. 573 p.]
(MLRA 10:4)

1. Akademiya nauk SSSR. Institut istorii.
(Agricultural policy)

SHAROVA, P.N.; IVNITSKIY, N.A., otv. red.; KOVALENKO, D.A., red.izd-va; PRUSAKOVA, T.A., tekhn. red.

[Collectivization of agriculture in the Central Chernozem Region, 1928-1932] Kollektivizatsiya sel'skogo khoziaistva v Tsentral'no-chernozemnoi oblasti, 1928-1932 gg. Moskva, Izd-vo Akad. nauk SSSR, 1963. 285 p. (MIRA 16:4)
(Central Chernozem Region—Collective farms)

KLEBANOV, L.D.; KONONOV, E.Z.; SHAROVA, R.K.; ZARKHIN, M.M.

Problems of mechanization, standardization of personnel
and expenditure of materials in municipal electric power
distribution networks. Trudy LIEI no.51:236-262 '64.
(MIRA 18:11)

Sharova, S. P.

The preparation of staple rayon serge for bleaching and dyeing. S. P. Sharova. *Tekstil. Prom.* 10, No. 12, 40 (1950); *Chem. Zentr.* 1951, I, 3265. —Satisfactory bleaching and dyeing of staple rayon serge depends upon careful removal of the starch sizing. This can be accomplished by heating for 40–45 min. at 80–85° in a bath contg. 2 g. H₂SO₄ per l., then neutralizing in a bath contg. 0.25 g. soda per l. (15 min. at 30–35°), and finally washing 7–10 min. in tap water.

M. G. Moore

SHAROVA, S.V.

Ladybirds (Coleoptera, Coccinellidae) and their distribution in
various habitats of Tuva. Zool.zhur. 41 no.8:1175-1183 Ag '62.
(MIRA 15:9)

1. Biological-Pedological Faculty, State University of Moscow.
(Tuva A.S.S.R.—Ladybirds)

L 10091-66 EWT(1)/ETC(F)/EPF(n)-2/EWG(m) WW/GS

ACC NR: AT6001367

SOURCE CODE: UR/0000/65/000/000/0230/0238

AUTHOR: Nevskiy, A. S.; Arseyev, A. V.; Chukanova, L. A.; Malysheva, A. I.; Sharova, T. V.

ORG: All-union Scientific Research Institute of Metallurgical Heat Engineering,
Sverdlovsk (Vsesoyuznyy nauchno-issledovatel'skiy institut metallurgicheskoy
teplotekhniki).

TITLE: Convective heat transfer in cylindrical chambers with flow recirculation

SOURCE: Teplo- i massoperenos. t. 1: Konvektivnyy teploobmen v odnorodnoy srede
(Heat and mass transfer. v. 1: Convective heat exchange in an homogeneous medium).
Minsk, Nauka i tekhnika, 1965, 230-238

TOPIC TAGS: heat transfer, cooling, combustion chamber

ABSTRACT: Experiments were made to determine the heat transfer conditions when a hot gas is injected through a nozzle at the closed end of a cylindrical chamber. Under these conditions, a pressure gradient along the wall is established which induces flow recirculation. The latter considerably increases the heat transfer from the gas to the wall as compared with conventional turbulent heat transfer without recirculation. The experiments were conducted with two chambers which were 1.88 m and 2.43 m long and 0.3 and 0.18 m in diameter. The cylinder jackets were divided into 13 and 16 separate compartments, respectively, to permit calorimetric

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L 10091-66

ACC NR: AT6001367

measurement of the heat transfer at various points in the chamber. Air preheated to 973K was injected through one central and one peripheral nozzle. The nozzle diameters and the flow rates were varied as parameters. Nu_{ex} (experimental Nusselt number) were determined from the measured flow rates and temperatures in each calorimetric section. Nu was then calculated from the formula $\text{Nu} = 0.018 \text{ Re}^{0.8}$, and the ratio $\phi = \text{Nu}_{\text{ex}}/\text{Nu}$ was calculated and plotted for various air flow rates and nozzle sizes as a function of the distance from the inlet. It was found that ϕ increases and at a distance $l = (1.5-2.9)\text{D}$ (D is the chamber diameter), it reaches a maximum which for a given flow rate may attain a value of 7. When the air flow rate through the central nozzle was increased, the maximum of ϕ shifted toward the chamber outlet. The maximum had the lowest value when the air flow rates through the central and peripheral nozzles were equal. When air was injected through 55 uniformly spaced orifices in the chamber bottom, ϕ had no maximum and decreased rapidly to the normal value for turbulent heat transfer. Orig. art. has: 5 figures.

[PV]

SUB CODE: 21 / SUBM DATE: 31Aug65 / ATD PRESS: 4176

H.W.

Card 2/2

KOLESNIKOV, V.V. (Kiyev, ul. Gor'kogo, 19, kv.7); GUDZ', P.Z. (Kiyev, ul. Shchekavitskaya, 36, kv.23); SHAROVA, T.V. (Kiyev, ul. Kirova, 6, Stomatologicheskaya poliklinika)

Potential properties of anastomoses of the branches of the external carotid artery. Arkh.anat.gist.i embr. 37 no.11:32-38 N '59.
(MIRA 13:4)

1. Kafedra funktional'noy anatomii (zaveduyushchiy - prof. V.V. Kolesnikov) Kiyevskogo gosudarstvennogo instituta fizicheskoy kultury.

(CAROTID ARTERY physiol.)

SHAROVA, T. V., Cand Med Sci -- "On the study of collateral blood circulation concerning the blood-supply characteristics of masticatory muscles in direct and indirect damage. (Experimental morphological study)." L'vov, 1961. (L'vov State Med Inst) (KL, 8-61, 266)

- 543 -

S/124/61/000/011/032/046
D237/D305

11.7000

AUTHORS: Arseyev, A.V., and Sharova, T.V.

TITLE: Experimental characteristic of gaseous jets

PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 11, 1961, 101,
abstract 11B677 (Sb. 3-ye Vses. soveshchaniye po teo-
rii gorenija, v. 2, M., 1960, 250 - 261)

TEXT: The results are presented of experimental investigation of a turbulent diffusive flame jet, obtained in combustion of generator gas in a cylindrical chamber with a burner consisting of two coaxial pipes, one within the other. The following were varied: Absolute velocities of gas and air emerging from the burner (during combustion of cold components by 3.4 times, and heated above the ignition point $t = 700^{\circ}\text{C}$, by 2.3 times), ratio of velocities of the gas and air (over the range from 3.96 to 0.23), diameter of cylindrical chamber (55 and 170 mm), initial temperature of the components. Concentration of basic gases in the jet, temperature, velocities and dynamic pressure of gases were measured over twelve longitudinal sections. Calculations based on the experimental data

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✓B

Experimental characteristic of ...

S/124/61/000/011/032/046
D237/D305

obtained from each section were performed of gas density, linear and inertial velocities, the total amount of unburned gas, partially combustible intermediates and total combustion. Experimental data obtained served as a basis of several deductions of a physical character by the author which referred to boundaries, inner combustion and heat conductivity of a flame jet, under the given experimental conditions. [Abstractor's note: Complete translation]. *B*

Card 2/2

MUKHINA, A.D., SHAROVA, T.V.

Splinting of mobile teeth in pyorrhea alveolaris. Probl. stom. 5:
110-113 '60. (MIRA 15:2)

1. Kiyevskiy meditsinskiy institut.
(DENTAL PROSTHESIS) (GUMS--DISEASES)

MIKHAYLOV, V.Ya.; Prinimali uchastiye: DMITRIYEV, V.K.; BELYAYEVA, N.M.;
KULAKOVA, T.A.; SHAROVA, T.V.

Study of deformations of aerial films. Trudy TSNIIIGAIK no.142:
97-122 '61. (MIRA 15:8)
(Photography--Films)

NEVSKY, A. S.; ARSEYEV, A. V.; CHUKANOVA, L. A.; MALYSHEVA, A. I.; SHAROVA, T. V.

"Convective heat transfer in cylindrical chambers with recirculation."

report submitted for 2nd All-Union Conf on Heat & Mass Transfer, Minsk, 4-12
May 1964.

All-Union Sci Res Inst Metallurgy.

SHUBIN, V.F.; SHAROVA, V.A.

Effect of prolonged inundations on wild and cultivated plants
in the Tsimlyansk Reservoir area. Bot.shur. 43 no.12:1724-
1727 D '58. (MIRA 11:12)

1. Stalingradskiy sel'skokhozyaystvennyy institut.
(Tsimlyansk Reservoir region--Botany)

MEYIEROV, V.D., inzh.; SHAROVA, V.A., inzh.; GORBACHEVA, A.A., pomoshchnik
mastera

Socks made of elastic synthetic fibers. Leg. prom. 18 no.8:38-39 Ag
'58. (MIRA 11:9)
(Hosiery, Nylon)

SHAROVA, V.A.

Modernization of automatic two-process circular hosiery
knitting machines. Tekst.prom. 20 no.2:42-44 P '60.
(MIRA 13:6)
(Knitting machines)

SHAROVA, V.A.

Effect of the secretions of *Sisymbrium olgense* M.B. on
the development of other plants. Agrobiologia no.4:605-607
Jl-Ag '61. (MIRA 14:7)

1. Stalingradskiy sel'skokhozyaystvennyy institut.
(*Sisymbrium*)

SHARPILO, V.P. [Sharpylo, V.P.]

Species of reptile helminths new to the U.S.S.R. Dop. AN USSR no.8:
1120-1123 '60. (MIRA 13:9)

1. Institut zoologii AN USSR. Predstavleno akademikom AN USSR
A.P. Markevichem.
(Parasites—Reptiles) (Worms, Intestinal and parasitic)

USSR / Human and Animal Morphology (Normal and Pathological). Blood and Hematogenesis.

S-2

Abs Jour: Ref Zhur-Biol., No 10, 1958 , 45569.

Author : Sharova, V. V.

Inst : Not given.

Title : Peripheral Blood and Its Changes under the Influence of Hemotransfusions in Patients with Chronic Suppurative Processes in Lungs.

Orig Pub: Sov. meditsina, 1957, No 6, 100-105.

Abstract: Changes of the peripheral blood in patients with chronic suppurative processes in lungs reflect the phase and stage of the inflammatory process only to a certain extent and in comparison with clinical data. The marked anemia in patients even with severe destructive changes is observed but rarely. The hematocrit indicators point to a somewhat thick-

Card 1/2

USSR / Human and Animal Morphology (Normal and
Pathological). Blood and Hematogenesis.

S-2

Abs Jour: Ref Zhur-Biol., No 10, 1958, 45569.

Abstract: ening of the blood in individual patients; however,
any connection between these indicators and the
stages of disease are absent. -- E. B. Ryzhkov.

Card 2/2

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L	CONFIDENTIAL	REF ID: A61511	1 JUN 1986	MM/RM
ACC NR:	AP6002209	(A)	SOURCE CODE:	UR/0153/65/008/005/0825/0828
AUTHOR:	Mbrozov, V. A.; Sharova, V. V.; Livshits, R. M.; Milakhov, R. A; Rogovin, Z. A.			
ORG:	Moscow Textile Institute, Department of Chemical Fibers (Moskovskiy tekstil'nyy institut, Kafedra khimicheskikh volokon)			
TITLE:	Synthesis of graft copolymers of polyvinyl alcohol and methylacrylate in the presence of tetravalent cerium salts			
SOURCE:	IVUZ. Khimiya i khimicheskaya tekhnologiya, v. 8, no. 5, 1965, 825-828			
TOPIC TAGS:	graft copolymer, polyvinyl alcohol, cerium compound, hydroquinone, acetone			
ABSTRACT: The synthesis of graft polyvinyl alcohol copolymers is based on the fact that the oxidation of hydroxyl-containing polymers by Ce ⁴⁺ passes through the formation of free macroradicals capable of initiating the graft copolymerization of monomers contacting vinyl. To avoid the formation of homopolymers, the synthesis time selected was smaller than the induction period of monomer homopolymerization. Polyvinyl alcohol, completely soluble in water, was used in the experiments. The necessary amount of monomer was poured into an aqueous solution of polyvinyl alcohol, and a homogeneous solution or emulsion of methylacrylate was obtained, after shaking, at monomer concentration > 0.446 mole/l. The mixture was thermostated at a definite temperature and				
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0.1 N solution of Ce ammonium nitrate in 1 N HNO₃, thermostated at the same temperature, was poured into the mixture. The reaction was stopped by the addition of hydroquinone. The mixture was then poured into acetone, taken in 20-30-fold excess amount, and, after precipitation, filtered out and dried. The composition of the graft copolymer was determined from the saponification number. A complete conversion of the monomer occurred at the end of 1 hr at 20°C and under the following conditions: concentration of 5.0×10^{-2} mole/l Ce⁴⁺, 0.5575 mole/l methylacrylate, 0.1 mole/l HNO₃, and 5% polyvinyl alcohol. The copolymer contained 50.3% polyvinyl alcohol and 49.7% polymethylacrylate. The amount of graft polyvinyl alcohol copolymer increased with increased concentration of Ce⁴⁺ regardless of temperature (5, 10, and 20°C) and the duration of the reaction (2 and 1 hr). An increase in the temperature and in the amount of methylacrylate increased the rate of graft copolymerization, but the amount of graft copolymer depended very little on the acid concentration. The properties of synthesized graft copolymers will be discussed in the next paper. Orig. art. has: 2 fig. and 3 tables.

SUB CODE: 07/ SUBM DATE: 16Nov63/ ORIG REF: 002/ OTH REF: 004

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PHASE I BOOK EXPLOITATION

sov/1690

Sharova, Valeriya Yakovlevna

Chislo dney s osadkami razlichnoy velichiny na territorii Yevropeyskoy chasti SSSR i Kavkaza (Number of Days With a Given Amount of Precipitation in the European Part of the USSR and in the Caucasus) Leningrad, Gidrometeoizdat, 1958. 142 p. 1,000 copies printed

Sponsoring Agencies: USSR. Glavnaya upravleniye gidrometeorologicheskoy sluzhby, and Glavnaya geofizicheskaya observatoriya imeni Voejkova.

Ed. (Title page): O.A. Drozdov, Doctor of Geographical Sciences; Ed. (Inside book): V.D. Pisarevskaya; Tech. Ed.: A.A. Solov'ychik

PURPOSE: This publication is of interest to climatologists, hydrologists, and specialists working in scientific research, agricultural, transportation, aviation, and other organizations whose activities are directly affected by climatic conditions.

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Number of Days With a Given Amount (Cont.)

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COVERAGE: This study describes a method of processing climatological observations and plotting them on maps, the patterns arising from the effect of relief on the frequency of precipitation, the geographic distribution of days with set amounts of precipitation, and the recurrence of rainless periods and precipitation during individual years. There are 77 diagrams, 10 tables, and 60 references of which 56 are Soviet, 1 Norwegian and 3 German.

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